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SOPHIA GENETICS at-a-glance



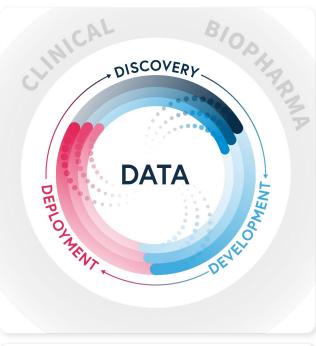














Headquarters

USA (Boston) &







1.5 Million+ **Genomic Profiles ANALYZED**

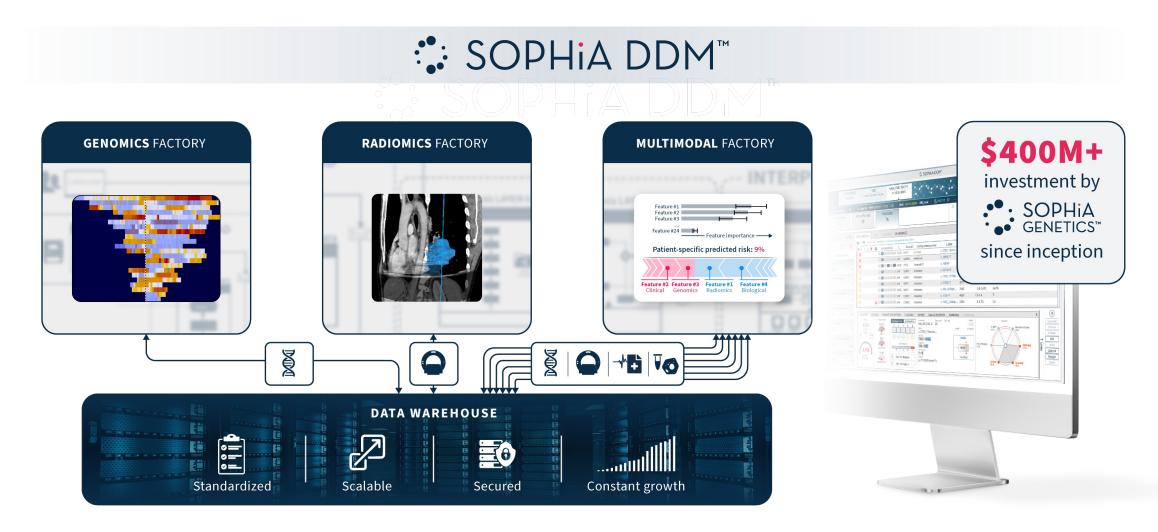


We are a category defining software company on a mission to

Democratize Data-Driven Medicine Together



Industry-leading multimodal capabilities driven by AI makes us the platform of choice for actionable patient insights





Underpinned by universal compatibility and a decentralized approach



ACCURATE



AI/ML powered to accurately analyze and standardize data

UNIVERSAL



Technology agnostic to be easily integrated in your existing workflow

DECENTRALIZED



In-house analytics to **maintain institutional ownership** of samples and data

INTEROPERABLE WORKFLOWS



Seamless, automated data transfer between technologies, EHR, LIMS, databases, and

EHR, LIMS, databases, an interpretation tools for streamlined workflows

SCALABLE



CPUs operating in tandem with powerful NVIDIA GPUs to process computationally heavy workloads

SECURED



- HIPAA and GDPR compliant
- Strict access control
- End-to-end encryption
- MSFT Azure Cloud-based data storage
- Distributed file system





SOPHiA DDMTM serves oncology and rare disease patients with a comprehensive portfolio of applications across the patient journey





- Hereditary Cancers
 Solid Tumors
- HemOnc

- Liquid Biopsy



RARE & INHERITED **DISORDERS**

~5% of the global population suffers from a RD

- Inherited Disorders
- Rare Diseases



























Widespread adoption of SOPHIA DDMTM





770+ connected healthcare institutions

~68 countries





Strong 2023 performance sets the stage for 2024

2023 revenue

Q4: \$17.0 million

vs. \$13.4M in 2022, 27% growth

FY: \$62.4 million

vs. \$47.6M in 2022, 31% growth

2023 cash burn¹ Q4: \$9.5 million

vs. \$10.6M in 2022, 11% improvement

FY: \$55.4 million

vs. \$86.7M in 2022, 36% improvement

2024 full-year outlook **Revenue: \$78M - \$81M**

25% to 30% growth

Adj. gross margin: 72.5% - 72.7% up 50bps vs. 2022

Adj. operating loss: \$45M - \$50M vs. \$55.9M in 2023

Continued widespread adoption of SOPHiA DDM

- Q4 analysis volume was ~85,000
- FY 23 analysis volume was 317,000+, up 20%; 27% ex-COVID
- 450 core genomics customers as of Q4 2023, up from 434 in Q4 2022
- Landed a record 35 new customers in Q4 2023

Strong track-record of delivering growth

- Continued momentum in the U.S. with 70% YoY revenue growth in FY 23
- Strong growth in Solid Tumors; In particular, HRD revenue grew 150%+
- Expanded BioPharma-sponsored deployment of SOPHiA DDM™ globally
- Adjusted gross margins expanded to 72% in FY 2023 vs. 68% in 2022

Exciting growth catalysts for 2024

- Deploy new Liquid Biopsy offering worldwide with help of BioPharma
- Capitalize on growing demand in Solid Tumors from complex signatures
- Build off strong momentum in the U.S. market



Significant momentum in the U.S. with 70% revenue growth in FY 2023

Highlights for the deployment of SOPHiA DDM™ in the U.S. in 2023

\$9.5M

U.S. revenue vs. \$5.6M in 2022

70%

U.S. revenue growth

9

New core genomic customers signed

50%+

U.S. analysis volume growth in Q4





BioReference[®]









UAMS Health











Memorial Sloan Kettering partnership update

In October, MSK selected SOPHiA GENETICS to decentralize their world-class Liquid Biopsy test MSK-ACCESS® and Solid Tumor CGP test MSK-IMPACT®





Proprietary algorithms ensure accuracy



Cloud-based platform enables decentralization at scale



Universal compatibility ideal for widespread adoption

Partnership update

- MSK-ACCESS powered with SOPHiA DDMTM launched in December 2023
- Significant global demand and several customers already signed
- MSK-IMPACT powered with SOPHiA DDMTM set to launch in 2024
- Collaboration with AstraZeneca to sponsor the global deployment of MSK-ACCESS and MSK-IMPACT powered with SOPHIA DDMTM



Strong performance for Solid Tumor applications in FY 2023

FY 2023 Highlights for SOPHiA DDM™'s Solid Tumor applications

150%+

HRD revenue growth

50+

Customers using HRD

57K

Solid Tumor Analysis Volume 129

Customers using Solid Tumor applications

36

New Solid Tumor customers signed

GlingerTM, the proprietary algorithm powering SOPHiA DDM's HRD application, uses a unique, method of detecting complex signatures for HRD and other cancer types other cancer types

FY 2024 Growth catalysts Increasingly complex signatures

Opportunity to apply
Glinger™ to **other cancer types** beyond HRD

Upcoming launch of CGP application **MSK-IMPACT** powered with SOPHiA DDM™

BioPharma-sponsored deployment of Solid Tumor applications globally

GMNGER™



We continue to deliver differentiated value to our BioPharma customers

Sponsored deployment of SOPHiA DDMTM

2023 Progress

- AstraZeneca sponsored deployment of HRD across
 Spain
 - Successful partnership
 - Over 4,000 HRD analyses in Spain to-date
 - Approximately 90% of all HRD testing in Spain

What's next in 2024

- Announced in February 2024, expansion of AZ's HRD partnership to additional laboratories in Spain
- Announced in 2024, AstraZeneca will sponsor the global deployment of MSK-ACCESS and MSK-IMPACT powered with SOPHiA DDMTM

Multimodal data and analytics via SOPHiA CarePathTM

2023 Progress

- Launched multimodal analytics module SOPHiA CarePath™
- Leveraged the **DEEP-LUNG-IV** clinical study to collect high quality multimodal data for lung cancer patients across the globe
- Developed multimodal algorithms to predict treatment effects of different therapies for lung cancer
- Completed a landmark project with a key BioPharma partner where SOPHiA CarePath™ identified a signature in subpopulations of lung cancer patients which could indicate different treatment effects for a specific drug

What's next in 2024

- Plans to **expand SOPHiA CarePath™** capabilities to breast, prostate, and kidney cancer in 2024
- Recently announced **data partnerships** with MSK and Exactis
 Innovation which will accelerate progress by gaining access to valuable
 multimodal data sets



2024 annual guidance

Category	FY 2023 results	FY 2024 guide	YoY improvement	Key drivers
Revenue	\$62.4M	\$78M - \$81M	25% – 30% growth	 Liquid biopsy: Growing demand for MSK-ACCESS® powered with SOPHiA DDM™ Solid tumors: Increasing complexity of signatures including HRD US: Significant momentum mounting with recent wins
Adjusted gross margin	72.2%	72.5% - 72.7%	50bps improvement	 Benefit from economies of scale for cloud-based compute and storage costs as well as favorable price capture, despite a challenging comp in the due to 2023 Microsoft credit
Adjusted operating loss	\$55.9M	\$45M - \$50M	11% – 19% improvement	 Notable improvement from 2023 level, despite a less material benefit from decreased headcount, which drove a majority of our loss improvement in 2023

Note: Other than with respect to revenue, the Company only provides guidance on a non-IFRS basis. The Company does not provide a reconciliation of forward-looking adjusted gross margin (non-IFRS measure) to gross margin (the most comparable IFRS financial measure), due to the inherent difficulty in forecasting and quantifying amortization of capitalized research & development expenses that are necessary for such reconciliation. In addition, the Company does not provide a reconciliation of forward-looking adjusted operating loss (non-IFRS measure) to operating loss (the most comparable IFRS financial measure), due to the inherent difficulty in forecasting and quantifying amortization of capitalized research & development expenses and intangible assets, share-based compensation expenses, and non-cash portion of pensions paid in excess of actual contributions, that are necessary for such reconciliation.



Growth drivers for 2024

Potential catalysts for growth in 2024

Liquid Biopsy: Deploy new Liquid Biopsy offering worldwide with the help of BioPharma partners

Solid tumors: Capitalize on the demand of increasingly complex signatures, including HRD



U.S. market: Build off strong momentum and marquee names from 2023

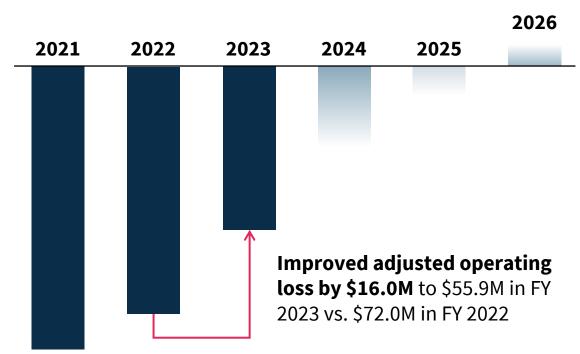
New offerings: Launch new applications and features in Solid Tumors, HemOnc, Whole Genome Sequencing, and Pharmacogenomics as well as a full platform modernization and upgraded multimodal capabilities

BioPharma: Continue partnering to deploy SOPHiA DDM™ and unlock multimodal data & analytics



Path to profitability in the next 2+ years

Near term path to profitability⁽¹⁾



Improved cash burn by \$31.3M or 36% to \$55.4M in FY 2023 vs. \$86.7M in FY 2022

Backed by a consistent track-record of strong top- and bottom-line improvement

72%

Adj. gross margin vs. 68% in FY 2022 (2)

6,150bps

Adj. operating margin improvement (3)

36%

Cash burn (4) improvement \$123M

Cash balance as of FY 2023



⁽¹⁾ Adjusted operating profitability

⁽²⁾ IFRS gross margin in FY 2023 of 69%

Investment highlights



Sizable addressable market

~\$40B market opportunity⁽¹⁾



Market-leading technology

\$400M+

617

invested since inception

scientific publications⁽²⁾



Customers love SOPHiA DDM™

75

450

+87

NPS score among SOPHiA DDMTM users⁽³⁾ core genomic core genomic customers customers signed in 2023



Highly recurring business

130%

Net Dollar Retention in 2023

~4%

annualized revenue churn 27%

analysis volume growth⁽⁴⁾

317K+

Analysis volume in 2023⁽⁵⁾



Attractive operating model

32%

year-over-year revenue growth in FY 2023⁽⁶⁾

72%

adjusted gross margin in FY 2023 36%

cash burn improvement⁽⁷⁾ \$123M

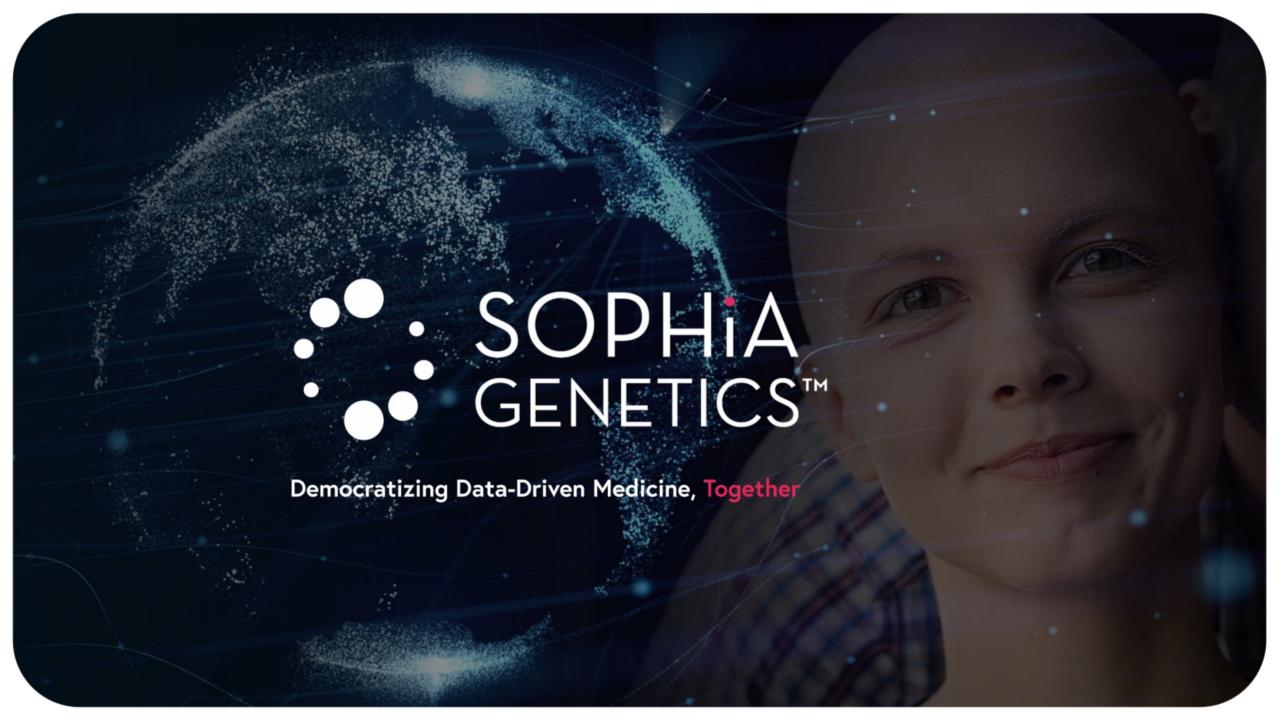
Cash balance as of FY 2023

year path to profitability

2+

- (1) Includes our estimated addressable market for 2024. These estimates are primarily based on epidemiological data, including incidence and prevalence estimates of addressable populations for each application, as well as a range of price assumptions for our products taking into account differences in panel sizes
- (2) As of December 2023.
- (3) NPS Score reflects survey results users of SOPHiA DDMTM's core genomic module (i.e., SOPHiA DDM for Genomics) only and excludes survey results from users of add-on modules such as Alamut.
- (4) FY 2023 analysis volume growth, excluding COVID-related volume.
- (5) Platform analysis volume for FY 2023, including COVID-related volume.
- (6) Constant currency revenue growth excluding COVID.
- © SOPHIA GENETICS 2024 (7) Cash burn represents the change in cash and cash equivalents and term deposits during the quarter.





Financial overview

(\$ in millions, except for margin data)

Q4 2023 P&L	Q4 2023	Q4 2022	Change Y/Y	
Total revenues	\$17.0	\$13.4	27%	
Adjusted gross margin %	73%	75%	(200bps) ⁽¹⁾	
Adjusted operating loss	(\$13.3)	(\$12.1)	10%	
Cash burn	(\$9.5)	(\$10.6)	(11%)	
FY 2023 P&L	FY23 Q4	FY22 Q4	Change Y/Y	
Total revenues	\$62.4	\$47.6	31%	
Adjusted gross margin %	72%	68%	+400 bps (22%)	
Adjusted operating loss	(\$55.9)	(\$72.0)		
Cash burn	(\$55.4)	(\$86.7)	(36%)	
Balance sheet	Dec 31, 2023	Dec 31, 2022	Change Y/Y	
Cash & cash equivalents	\$123.3	\$178.6	(\$55.4)	



Reconciliation of IFRS Financials to Adjusted Financials

	2022				2023					
(Amounts in USD Thousands)	Q1	Q2	Q3	Q4	FY	Q1	Q2	Q3	Q4	FY
IFRS Revenue	\$10,861	\$11,667	\$11,648	\$13,384	\$47,560	\$13,966	\$15,054	\$16,303	\$17,048	\$62,371
Gross Profit	\$6,710	\$7,620	\$7,293	\$9,631	\$31,254	\$9,694	\$10,047	\$11,273	11,898	\$42,913
Gross Margin	62%	65%	63%	72%	66%	69%	67%	69%	70%	69%
Amortization of Capitalized Development Expenses (1)	198	253	304	378	1,133	432	496	552	619	2,099
Adjusted Gross Profit	\$6,908	\$7,873	\$7,597	\$10,009	\$32,387	\$10,126	\$10,543	\$11,825	\$12,517	\$45,012
Adjusted Gross Margin	64%	67%	65%	75%	68%	73%	70%	73%	73%	72%
			2022					FY 2023		
(Amounts in USD Thousands)	Q1	Q2	Q3	Q4	FY	Q1	Q2	Q3	Q4	FY
IFRS Revenue	\$10,861	\$11,667	\$11,648	\$13,384	\$47,560	\$13,966	\$15,054	\$16,303	\$17,048	\$62,371
	4-0,00-	4 ,•••	311,040	713,304	341,300	713,500	713,034	\$10,505	\$11,040	302,311
Operating Profit / (Loss)										
Operating Profit / (Loss) Operating Margin	(\$25,021) (230%)	(\$24,079) (206%)	(\$23,639) (203%)	(\$15,083) (113%)	(\$ 87,823) (185%)	(\$19,287) (138%)	(\$20,047) (133%)	(\$16,544) (101%)	(\$18,946) (111%)	(\$74,826) (120%)
	(\$25,021)	(\$24,079)	(\$23,639)	(\$15,083)	(\$87,823)	(\$19,287)	(\$20,047)	(\$16,544)	(\$18,946)	(\$74,826)
Operating Margin	(\$25,021) (230%)	(\$24,079) (206%)	(\$23,639) (203%)	(\$15,083) (113%)	(\$ 87,823) (185%)	(\$19,287) (138%)	(\$20,047) (133%)	(\$16,544) (101%)	(\$18,946) (111%)	(\$ 74,826) (120%)
Operating Margin Amortization of Capitalized Development Expenses (1)	(\$25,021) (230%) 198	(\$24,079) (206%) 253	(\$23,639) (203%) 304	(\$15,083) (113%) 378	(\$87,823) (185%) 1,133	(\$19,287) (138%) 432	(\$20,047) (133%) 496	(\$16,544) (101%) 552	(\$18,946) (111%) 619	(\$74,826) (120%) 2,099
Operating Margin Amortization of Capitalized Development Expenses (1) Share-Based Compensation Expense (2)	(\$25,021) (230%) 198 3,471	(\$24,079) (206%) 253 3,889	(\$23,639) (203%) 304 3,657	(\$15,083) (113%) 378 2,596	(\$87,823) (185%) 1,133 13,613	(\$19,287) (138%) 432 2,430	(\$20,047) (133%) 496 4,676	(\$16,544) (101%) 552 3,930	(\$18,946) (111%) 619 4,211	(\$74,826) (120%) 2,099 15,247
Operating Margin Amortization of Capitalized Development Expenses (1) Share-Based Compensation Expense (2) Amortization of Intangible Expense (3)	(\$25,021) (230%) 198 3,471 158	(\$24,079) (206%) 253 3,889 188	(\$23,639) (203%) 304 3,657 191	(\$15,083) (113%) 378 2,596 110	(\$87,823) (185%) 1,133 13,613 647	(\$19,287) (138%) 432 2,430 173	(\$20,047) (133%) 496 4,676 179	(\$16,544) (101%) 552 3,930 184	(\$18,946) (111%) 619 4,211 193	(\$74,826) (120%) 2,099 15,247 729
Operating Margin Amortization of Capitalized Development Expenses (1) Share-Based Compensation Expense (2) Amortization of Intangible Expense (3) Non-Cash Pension Expense (4)	(\$25,021) (230%) 198 3,471 158	(\$24,079) (206%) 253 3,889 188	(\$23,639) (203%) 304 3,657 191	(\$15,083) (113%) 378 2,596 110	(\$87,823) (185%) 1,133 13,613 647	(\$19,287) (138%) 432 2,430 173	(\$20,047) (133%) 496 4,676 179	(\$16,544) (101%) 552 3,930 184	(\$18,946) (111%) 619 4,211 193 (625)	(\$74,826) (120%) 2,099 15,247 729 (394)

Notes to the Reconciliation of IFRS to Adjusted Financial Measures Tables

- (1) Amortization of capitalized research and development expenses consists of software development costs amortized using the straight-line method over an estimated life of five years. These expenses do not have a cash impact but remain a recurring expense generated over the course of our research and development initiatives.
- (2) Amortization of intangible assets consists of costs related to intangible assets amortized over the course of their useful lives. These expenses do not have a cash impact, but we could continue to generate such expenses through future capital investments.
- (3) Share-based compensation expense represents the cost of equity awards issued to our directors, officers, and employees. The fair value of awards is computed at the time the award is granted and is recognized over the vesting period of the award by a charge to the income statement and a corresponding increase in other reserves within equity. These expenses do not have a cash impact but remain a recurring expense for our business and represent an important part of our overall compensation strategy
- 4) Non-cash pension expense consists of the amount recognized in excess of actual contributions made to our defined pension plans to match actuarial expenses calculated for IFRS purposes. The difference represents a non-cash expense but remains a recurring expense for our business as we continue to make contributions to our plans for the foreseeable future.
- (5) Costs associated with restructuring consists of compensation paid to employees during their garden leave period, severance, and any other amounts legally owed to the employees resulting from their termination as part of a planned workforce reduction, which we undertook to optimize our operations. Additionally, it includes any legal fees incurred as part of the restructuring process. While such actions are not planned going forward as part of our regular operations, we expect such expenses could still be incurred from time to time based on corporate needs.

Reconciliation of IFRS Revenue Growth to Constant Current Revenue Growth Excluding COVID-19-Related Revenue

(Amounts in USD Thousands)	FY 2022	FY 2023	Y-o-Y Growth
IFRS Revenue	\$47,560	\$62,371	31%
Current Period Constant Currency Impact (1)	_	(527)	
Constant Currency Revenue	\$47,560	\$61,844	30%
COVID-19 Related Revenue Constant Currency Impact on COVID-19-Related Revenue	(1,080) —	(319)	
Constant Currency Revenue Excluding COVID-19-Related Revenue	\$46,480	\$61,527	32%

Presentation of Constant Currency Revenue and Excluding COVID-19-Related Revenue

SOPHiA GENETICS operates internationally, and its revenues are generated primarily in the U.S. dollar, the euro and Swiss franc and, to a lesser extent, British pound, Australian dollar, Brazilian real, Turkish lira and Canadian dollar depending on the company's customers' geographic locations. Changes in revenue include the impact of changes in foreign currency exchange rates. We present the non-IFRS financial measure "constant currency revenue" (or similar terms such as constant currency revenue growth) to show changes in revenue without giving effect to period-to-period currency fluctuations. Under IFRS, revenues received in local (non-U.S. dollar) currencies are translated into U.S. dollars at the average monthly exchange rate for the month in which the transaction occurred. When the company uses the term "constant currency", it means that it has translated local currency revenues for the current reporting period into U.S. dollars using the same average foreign currency exchange rates for the conversion of revenues into U.S. dollars that we used to translate local currency revenues for the company then calculates the difference between the IFRS revenue and the constant currency revenue to yield the "constant currency impact" for the current period.

The company's management and board of directors use constant currency revenue growth to evaluate growth and generate future operating plans. The exclusion of the impact of exchange rate fluctuations provides comparability across reporting periods and reflects the effects of customer acquisition efforts and land-and-expand strategy. Accordingly, it believes that this non-IFRS measure provides useful information to investors and others in understanding and evaluating revenue growth in the same manner as the management and board of directors. However, this non-IFRS measure has limitations, particularly as the exchange rate effects that are eliminated could constitute a significant element of its revenue and could significantly impact performance and prospects. Because of these limitations, you should consider this non-IFRS measure alongside other financial performance measures, including revenue and revenue growth presented in accordance with IFRS and other IFRS results.

In addition to constant currency revenue, the company presents constant currency revenue excluding COVID-19-related revenue to further remove the effects of revenues that are derived from sales of COVID-19-related offerings, including a NGS assay for COVID-19 that leverages the SOPHiA DDMTM Platform and related products and solutions analytical capabilities and COVID-19 bundled access products. SOPHiA GENETICS do not believe that these revenues reflect its core business of commercializing its platform because the company's COVID-19 solution was offered to address specific market demand by its customers for analytical capabilities to assist with their testing operations. The company does not anticipate additional development of its COVID-19-related solution as the pandemic transitions into a more endemic phase and as customer demand continues to decline. Further, COVID-19-related revenues did not constitute, and the company does not expect COVID-19-related revenues to constitute in the future, a significant part of its revenue. Accordingly, the company believes that this non-IFRS measure provides useful information to investors and others in understanding and evaluating its revenue growth. However, this non-IFRS measure has limitations, including that COVID-19-related revenues contributed to the company's cash position, and other companies may define COVID-19-related revenues differently. Because of these limitations, you should consider this non-IFRS measure alongside other financial performance measures, including revenue growth presented in accordance with IFRS and other IFRS results.

